

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	490710	(inorganic or metal adj oxide or boehmite or silica or alumina or aluminum adj oxide) with (cation\$8 or acid\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:39
L2	76027	I1 and (inorganic or metal adj oxide or boehmite or silica or alumina or aluminum adj oxide) same (nanoparticle or nano\$6 or nm\$3 or nanometer or nanoparticulate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:40
L3	3481	((transparent or (scratch or abrasion or mar) with resistant) with coating) and I2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:41
L4	38046	I1 and (inorganic or metal adj oxide or boehmite or silica or alumina or aluminum adj oxide) with (nanoparticle or nano\$6 or nm\$3 or nanometer or nanoparticulate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:42
L5	2612	((transparent or (scratch or abrasion or mar) with resistant) with coating) and I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:44
L6	1305	((transparent or (scratch or abrasion or mar) with resistant) with coating) same (inorganic or metal adj oxide or boehmite or silica or alumina or aluminum adj oxide) and I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:45

L7	36220	(inorganic or metal adj oxide or boehmite or silica or alumina or aluminum adj oxide) with (cation\$8 or acid\$2) with surface	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:46
L8	716	((transparent or (scratch or abrasion or mar) with resistant) with coating) same (inorganic or metal adj oxide or boehmite or silica or alumina or aluminum adj oxide) and I7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:46
L9	877	((transparent or (scratch or abrasion or mar) with resistant) with coat\$4 or claeercoat\$4) same (inorganic or metal adj oxide or boehmite or silica or alumina or aluminum adj oxide) and I7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:47
L10	387	I9 and I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:48
L11	168	((transparent or (scratch or abrasion or mar) with resistant) with coat\$4 or cleercoat\$4) same (inorganic or metal adj oxide or boehmite or silica or alumina or aluminum adj oxide)).ab. and I7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:48
L12	48	I11 and I10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 14:49
L13	73	"03846"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 15:15

L14	1	"03846" and nanoscale	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 15:15
L15	696246	(alumina or boehmite or aluminum adj2 \$6oxide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 15:17
L16	6441	((alumina or boehmite or aluminum adj2 \$6oxide) with (nanopartcile or nano\$6 or nm\$3 or nanometer or nanoparticulate)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 15:18
L17	1083	((alumina or boehmite or aluminum adj2 \$6oxide) with (nanopartcile or nano\$6 or nm\$3 or nanometer or nanoparticulate) same acid\$2).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 15:21
L18	558	((alumina or boehmite or aluminum adj2 \$6oxide) with (nanopartcile or nano\$6 or nm\$3 or nanometer or nanoparticulate) with acid \$2).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 15:21
L19	716	((transparent or (scratch or abrasion or mar) with resistant) with coat\$4 or clearcoat\$4) and l8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 15:22
L20	716	((transparent or (scratch or abrasion or mar) with resistant) with coat\$4) or clearcoat\$4) and l8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 15:22
L21	177	((transparent or (scratch or abrasion or mar) with resistant) with coat\$4) or clearcoat\$4).ab. and l8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 15:23

S1	52495	(\$4acrylate or \$4acrylic) with (resin or \$4copolymer) same (\$4hydroxy or hydroxy \$6) and (crosslink\$\$ or cross adj link\$4 or curing or cure\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 13:42
S2	8	(\$4acrylate or \$4acrylic) with (resin or \$4copolymer) same (\$4hydroxy or hydroxy \$6) and (crosslink\$4 or cross adj link\$4 or curing or cure\$4) and ((sec\$2 or secondary) adj amin \$2) with butylamino adj3 \$4acrylate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 13:45
S3	8	(\$4acrylate or \$4acrylic) with (resin or \$4copolymer) same (\$4hydroxy or hydroxy \$6) and (crosslink\$4 or cross adj link\$4 or curing or cure\$4) and ((sec\$2 or secondary) adj amin \$2) with \$3butylamino adj3 \$4acrylate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 13:45
S4	3	(\$4acrylate or \$4acrylic) with (resin or \$4copolymer) and (crosslink\$4 or cross adj link\$4 or curing or cure \$4) and ((sec\$2 or secondary) adj amin\$2) with butylamino adj3 \$4acrylate and du adj pont	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 13:46
S5	3	(\$4acrylate or \$4acrylic) with (resin or \$4copolymer) and (crosslink\$4 or cross adj link\$4 or curing or cure \$4) and ((sec\$2 or secondary) adj amin\$2) with \$3butylamino adj3 \$4acrylate and du adj pont	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 13:46

S6	3	(\$4acrylate or \$4acrylic) with (resin or \$4copolymer or binder) and (crosslink\$4 or cross adj link\$4 or curing or cure\$4) and ((sec\$2 or secondary) adj amin\$2) with \$3butylamino adj3 \$4acrylate and du adj pont	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 13:47
S7	3	(\$4acrylate or \$4acrylic) with (resin or \$4copolymer or binder) and (crosslink\$4 or cross adj link\$4 or curing or cure\$4) and ((sec\$2 or secondary) adj amin\$2) with \$7butylamino adj3 \$4acrylate and du adj pont	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 13:48
S8	45	(\$4acrylate or \$4acrylic) with (resin or \$4copolymer or binder) and (crosslink\$4 or cross adj link\$4 or curing or cure\$4) and \$7butylamino adj3 \$4acrylate and du adj pont	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 13:49
S9	403	(\$4acrylate or \$4acrylic) with (resin or \$4copolymer or binder) and (crosslink\$4 or cross adj link\$4 or curing or cure\$4) and \$7butylamino adj3 \$4acrylate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 13:51
S10	14	"6326059"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 13:54

S11	40	("3716599"   "3880796"   "3954588"   "4020216"   "4167499"   "4293661"   "4308121"   "4452948"   "4529785"   "4547556"   "4560728"   "4588781"   "4622348"   "4622364"   "4634738"   "4659799"   "4680352"   "4692503"   "4713265"   "4909915"   "4983676"   "4987177"   "5021502"   "5116930"   "5177122"   "5212242"   "5276097"   "5290633"   "5326820"   "5391620"   "5415750"   "5424369"   "5426156"   "5633307"   "5659136"   "5681906"   "5744542"   "5763528"   "5859136").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/10 13:55
S12	1	S11 and \$7butylamino adj3 \$4acrylate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 13:58
S13	11	S11 and ((sec\$2 or secondary) with amin\$2 with (\$4acrylate or monomer))	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/10 14:00
S14	24	("20040001009"   "20040010091"   "20050159614"   "20050159626"   "4375498"   "4591533"   "4694051"   "5126170"   "5166272"   "5236741"   "5243012"   "5412056"   "5516873"   "5561214"   "5580945"   "5633389"   "5763528"   "5985985"   "6005062"   "6183870"   "6221494"   "6326059"   "7166748"   "7449242"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/10 14:09
S15	70	(glycid\$6 adj2 \$4acrylate) with primary adj amine	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/10 14:17
S16	106	(glycid\$6 adj2 \$4acrylate) with primary adj amine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 14:17

S17	67	(\$4acrylate or \$4acrylic) with (resin or \$4copolymer or binder) and (crosslink\$4 or cross adj link\$4 or curing or cure\$4) and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 14:17
S18	1	"12202216"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/10 14:55
S19	28	(transparent same (scratch or abrasion or mar) with resistant with coating) same (silica or inorganic or metal adj oxide) with \$8particle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:20
S20	1	S19 and (silica or inorganic or metal adj oxide) with \$8particle same cation\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:20
S21	293	(transparent same (scratch or abrasion or mar) with resistant with coating) and (silica or inorganic or metal adj oxide) with \$8particle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:24
S22	5122	(silica or inorganic or metal adj oxide or clay) with \$8particle same (acid or cationic\$6) with surface	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:24
S23	5427	(silica or inorganic or metal adj oxide or clay) with \$8particle same (acid \$4 or cationic\$6) with surface	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:24
S24	19	S21 and S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:25

S25	1915	cationic\$6 with stabili\$6 with (inorganic or metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:33
S26	337	(cationic\$6 with stabili\$6 with (inorganic or metal)). ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:34
S27	0	S26 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:34
S28	0	S25 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:34
S29	782	((cationic\$6 or acid with treat\$4) with stabili\$6 with (inorganic or metal)). ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:35
S30	0	S29 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:35
S31	3477	((cationic\$6 or acid with treat\$4) with stabili\$6 with (inorganic or metal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:35
S32	1	S31 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 15:35



S33	3487	((cationic\$6 or acid with treat\$4) with stabi\$6 with (inorganic or metal or boehmite))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:33
S34	109310	((cationic\$6 or acid with treat\$4) with (inorganic or metal or boehmite))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:33
S35	22	S34 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:33
S36	35514	((cationic\$6) with (inorganic or metal or boehmite))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:35
S37	21	S36 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:35
S38	34589	((inorganic or metal or boehmite) with (particle or particulate) or surface) same acetic adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:37
S39	33805	((inorganic or metal or boehmite) with (\$6particle or \$6particulate) or surface) same acetic adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:37
S40	5481	(inorganic or metal or boehmite) with ((\$6particle or \$6particulate) or surface) same acetic adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:37

S41	2	S40 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:38
S42	328	S33 and basf	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:39
S43	1120	S38 and basf	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:39
S44	21	S42 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:39
S45	68478	S36 or S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:40
S46	4200	S45 and basf	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:40
S47	3215	S46 and (clearcoat or coat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:41
S48	404	S46 and curable same (clearcoat or coat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:42

S49	17	S48 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 16:42
S50	10	(inorganic or metal or boehmite) with ((\$particle or \$particulate) or surface) same cationic with stabili \$6 and basf.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 17:00
S51	20	("20020099119"   "20030125460"   "20040059053"   "20040132902"   "20050182169"   "20050233147"   "3069375"   "5118727"   "5246624"   "5853809"   "5916635"   "6022919"   "6261645"   "6419989"   "6565978"   "6589324"   "6599631"   "6620514"   "6632897").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/11 17:02
S52	12	acidic with silica same nanoparticle	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/11 17:28
S53	388	acidic with silica with stabili\$6	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/11 17:28
S54	0	S53 and S21	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/11 17:29
S55	16	S53 and curable same (clearcoat or coat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 17:29
S56	16	S53 and curable same (clearcoat or coat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 17:30
S57	337	cationic\$8 same stabili\$6 with nanoparticle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 17:35

S58	98	cationic\$8 with stabilizer\$6 with nanoparticle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 17:35
S59	79	S58 and (clearcoat or coat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 17:35
S60	4	"0301641"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 17:43
S61	5	"03016411"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 17:43
S62	26241	dispersal\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 21:30
S63	2	(transparent same (scratch or abrasion or mar) with resistant with coating) and S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 21:31
S64	7372	coating and S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 21:31
S65	9883	(coat\$4 or clearcoat\$4) and S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 21:32

S66	1884	(coat\$4 or clearcoat\$4) and S62 and \$4acrylate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 21:32
S67	1707	dispersal\$2 same acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 21:32
S68	213	(coat\$4 or clearcoat\$4) and S67 and \$4acrylate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 21:32
S69	104	dispersal\$2 same acetic adj acid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 21:33

**1/ 12/ 2011 6:34:43 PM**